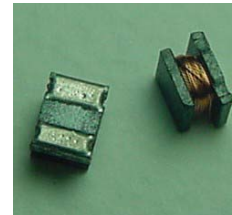


SMD Power Inductors

Features

- Small footprint with wire structure.
- Same foot-pad as industrial standard 1210, 1812, 2220 size.
- Suitable for reflow soldering.



Applications

- Noise suppression
- Pamcorder/Digital TVs
- Headphone
- PDAs
- Notebook computers and others small-size electronics devices.

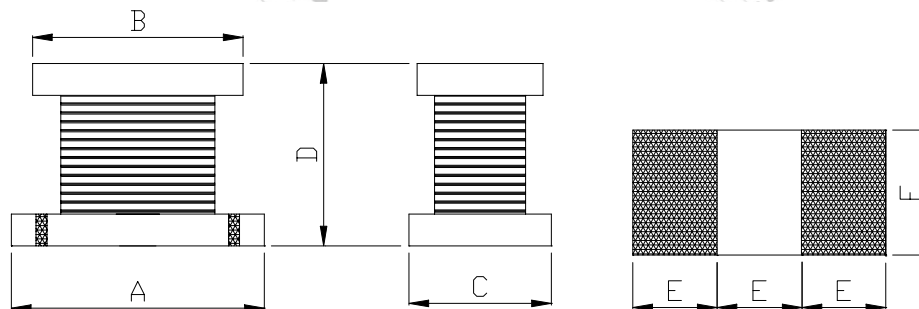
Part Number Systems

SPI - 5650 - 1R0 - M - LF

(1) (2) (3) (4) (5)

(1)	Product series	(2)	Size
(3)	Inductance Value: 1R0 = 0.10uH	(4)	Inductance Tolerance: J = ± 5%, K = ± 10%, M = ± 20%
(5)	ROHs Compliant		

Shape And Dimensions



Unit: mm

Type	A	B	C	D (Max)	E (Min)	F
5650	5.7 ± 0.3	5.0 ± 0.2	5.0 ± 0.2	5.0	1.3	5.0 ± 0.2

SMD Power Inductors

SPI-5650-Series				ELECTRICAL CHARACTERISTICS		
Part Number	Inductance (uH)	Tolerance	L Test Freq	SRF (MHz)	Rdc (Ω)	Idc (mA)
				Min	± 40%	Max
SPI-5650-1R0M-LF	1.0	M	1 MHz	150	0.019	4.0
SPI-5650-1R5M-LF	1.5	M	1 MHz	110	0.022	3.7
SPI-5650-2R2M-LF	2.2	M	1 MHz	80	0.029	3.2
SPI-5650-3R3K-LF	3.3	M	1 MHz	40	0.038	2.9
SPI-5650-4R7K-LF	4.7	M	1 MHz	30	0.041	2.7
SPI-5650-6R8K-LF	6.8	M	1 MHz	25	0.074	2.0
SPI-5650-100M-LF	10	M	1 MHz	20	0.093	1.7
SPI-5650-150M-LF	15	M	1 MHz	17	0.15	1.4
SPI-5650-220M-LF	22	M	1 MHz	15	0.19	1.2
SPI-5650-330M-LF	33	M	1 MHz	12	0.32	0.9
SPI-5650-470M-LF	47	M	1 MHz	10	0.40	0.8
SPI-5650-680M-LF	68	M	1 MHz	7.6	0.67	0.64
SPI-5650-101M-LF	100	M	100 KHz	6.5	0.86	0.58
SPI-5650-151M-LF	150	M	100 KHz	5	1.90	0.42
SPI-5650-221M-LF	220	M	100 KHz	4	2.40	0.32
SPI-5650-331M-LF	330	M	100 KHz	3.1	4.40	0.27
SPI-5650-471M-LF	470	M	100 KHz	2.4	5.40	0.24
SPI-5650-681M-LF	680	M	100 KHz	1.9	8.10	0.19
SPI-5650-102M-LF	1000	M	10 KHz	1.7	10.3	0.15
SPI-5650-222M-LF	2200	M	10 KHz	1.2	21.5	0.10
SPI-5650-472M-LF	4700	M	10 KHz	0.8	43.8	0.07
SPI-5650-103M-LF	10000	M	10 KHz	0.5	100	0.05

* All specifications are subjected to change without prior notice.